## Claims

## I claim:

1. A lid for an integrated circuit, said lid comprising:

- i. a recessed portion adapted to receive a die of said integrated circuit;
- ii. a foot portion having a surface adapted to be coupled to a substrate of said integrated circuit; and
- iii. a plurality of recesses formed at the edges of said foot portion.
- 2. The lid of claim 1 wherein each recess of said plurality of recesses comprises a semi-circle.
- 3. The lid of claim 1 wherein each recess of said plurality of recesses comprises a beveled edge.
- 4. The lid of claim 1 wherein said each recess of said plurality of recesses comprises a partial conical surface.
- 5. The lid of claim 1 further comprising corners between said two end recesses on adjacent sides of said lid.
- 6. An integrated circuit having a lid, said integrated circuit comprising:
  - i. a substrate;
  - ii. a die positioned on said substrate; and
  - iii. a lid having a recessed portion adapted to receive said die and a foot portion having a planar surface coupled to said substrate by a bonding agent, said lid comprising a plurality of recesses formed at the edges of said foot portion.
- 7. The integrated circuit of claim 6 wherein said plurality of recesses expose said bonding agent.

8. The integrated circuit of claim 6 wherein said plurality of recesses comprises beveled edges.

- 9. The integrated circuit of claim 8 wherein said beveled edges of said plurality of recesses receive a portion of said bonding agent.
- 10. The integrated circuit of claim 6 further comprising an adhesive between said lid and said die.
- 11. The integrated circuit of claim 6 further comprising a plurality of bond posts formed within the plurality of recesses by the bonding agent.
- 12. An integrated circuit having a lid, said integrated circuit comprising:
  - i. a substrate;
  - ii. a die positioned on said substrate; and
  - iii. a lid having a recessed portion adapted to receive said die and a foot portion having a planar surface coupled to said substrate by an adhesive, said lid comprising a plurality of recesses formed at the edges of said foot portion.
- 13. An integrated circuit having a lid, said integrated circuit comprising:
  - i. a substrate;
  - ii. a die positioned on said substrate; and
  - iii. a lid having a recessed portion adapted to receive said die and a foot portion having a planar surface coupled to said substrate by a solder bond, said lid comprising a plurality of recesses formed at the edges of said foot portion.
- 14: The integrated circuit of claim 13 wherein said solder bond comprises a surface mount solder reflow.

15. The integrated circuit of claim 13 further comprising an adhesive between said lid and said die.

- 16. The integrated circuit of claim 13 wherein each recess of said plurality of recesses comprises a partial conical surface.
- 17. The integrated circuit of claim 13 further comprising corners between two end recesses on adjacent sides of said lid.
- 18. A method of forming a lid for an integrated circuit, said method comprising the steps of:
  - forming a recessed portion for receiving a die of said integrated circuit;
  - ii. creating a foot portion around said recessed portion; and
  - iii. providing a plurality of recesses at the edges of said foot portion.
- 19. The method of claim 18 wherein said step of creating a foot portion comprises creating a planar surface adapted to be attached to a substrate of an integrated circuit.
- 20. The method of claim 18 wherein said step of providing a plurality of recesses at the edges of said foot portion comprises creating recesses having beveled edges.
- 21. The method of claim 18 wherein said step of providing a plurality of recesses at the edges of said foot portion comprises at least one of stamping, etching, milling, and drilling said plurality of recesses.
- 22. The method of claim 18 wherein said steps of forming, creating and providing are performed by injection molding.

23. A method of securing a lid to an integrated circuit, said method comprising the steps of:

- i. providing a lid having a plurality of recesses at the edge of a foot portion.
- ii. applying a bonding agent to a substrate of said integrated circuit; and
- iii. positioning said lid on said substrate.
- 24. The method of claim 23 wherein said step of providing a lid having a plurality of recesses at the edge of a foot portion comprises providing a plurality of recesses having beveled edges.
- 25. The method of claim 23 wherein said step of applying a bonding agent to a substrate of said integrated circuit comprises a step of applying an adhesive to said substrate.
- 26. The method of claim 23 wherein said step of applying a bonding agent to a substrate of said integrated circuit comprises a step of applying solder to said substrate.
- 27. The method of claim 23 further comprising a step of providing an adhesive between said die and said conductive lid.
- 28. A method of securing a lid to an integrated circuit, said method comprising the steps of:
  - providing a lid having a plurality of thru holes extending through the foot portion of the lid, wherein said thru holes are conical shaped;
  - ii. applying a bonding agent to a substrate of said integrated circuit; and
  - iii. positioning said lid on said substrate such that said bonding agent extends into said thru holes.